

STATOR, DYNAMOELECTRIC MACHINE, AND METHODS FOR FABRICATING SAME

Abstract of Disclosure

A dynamoelectric machine includes a stator having teeth fabricated from a non-magnetic material and containing at least one embedded conductor. The teeth are unitary with a back portion that is mounted to a stator back iron. Permeance variations induced by a stator winding mounted on the non-magnetic stator teeth are low which facilitates a reduction of motor noise. Specifically, since the non-magnetic teeth reduce production of permeance variations, changes in air gap forces between the rotor and the stator are decreased.

Figures